

20010125.ba v03_n086.bam.20010125

>From ???@??? Thu Jan 25 05:18:48 2001 -0600
Date: Thu, 25 Jan 2001 05:16:38 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3086
Message-Id: <20010125121655.0C08E5F24@devel43.theporch.com>

BOATANCHORS Digest 3086

Topics covered in this issue include:

- 1) I'm visiting Nashville next Monday-Thursday
by "John Dilks, K2TQN" <oldradio@worldnet.att.net>
- 2) Wanted National NC-33
by jim_allen@agilent.com
- 3) WTB HQ 140X
by "Paul Monroe" <pmonroe@charter.net>
- 4) Re: Package sizeing
by Jderm740@aol.com
- 5) Bakelite Panels
by "knepper" <knepper@lenzlink.net>
- 6) Boatanchor prices - in perspective
by "Bob Nickels" <ranickel@mwci.net>
- 7) Davco DR-30/DT-20 brochure
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 8) CQ BA
by jay_coward@agilent.com
- 9) Subscription
by "STEVE FINELLI" <navrad@enter.net>
- 10) CQ/QST for sale - name your price....
by Bill Cotter <bcotter@pop.uky.edu>
- 11) Boatanchors on HCJB
by john <johnmb@mindspring.com>
- 12) Re: Pilot Light - #1850
by Jerry Proc <jproc@idirect.com>
- 13) Re: Boatanchor prices - in perspective
by Bob Roehrig <broehrig@admin.aurora.edu>
- 14) Re: Capacitor Confusion
by Jerry Proc <jproc@idirect.com>
- 15) Re: Need ART-13 connector source info
by Mike Sullivan <michaels@kc2kj.k2nesoft.com>
- 16) free 19" rack
by David Ross <ross@hypertools.com>
- 17) Re: Boatanchor prices - in perspective
by "Bob Nickels" <ranickel@mwci.net>
- 18) Re: Pilot Light - #1850

by Arden Allen <gumbear@pacbell.net>
19) Re: Boatanchor prices - in perspective
by Arden Allen <gumbear@pacbell.net>
20) Re: Capacitor Confusion
by Arden Allen <gumbear@pacbell.net>
21) Re: Boatanchor prices - in perspective
by "John Dilks, K2TQN" <oldradio@worldnet.att.net>

Message-Id: <4.3.2.7.0.20010123172205.00c1d900@postoffice.worldnet.att.net>
Date: Tue, 23 Jan 2001 17:29:54 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "John Dilks, K2TQN" <oldradio@worldnet.att.net>
Subject: I'm visiting Nashville next Monday-Thursday
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

To all,

I'm visiting Nashville next Monday-Thursday on business.

If anyone would like to show off their ham shack or collection, I sure would like to visit. I'm available monday through wed evenings. I'm staying at the Holiday Inn Express, near the airport - Main telephone at the motel is: 615-883-1366. [You can email me here too.]

I'm always looking for interesting stories for my QST Old Radio column, and Collection photos for the collector profile.

73's de K2TQN, John Dilks

My Old Radio Column in QST Magazine
<http://www.eht.com/oldradio/arrl/>

Old Radio Wireless and Radio History page
<http://www.eht.com/oldradio/awa/>

K2TQN's Old Radio Museum
<http://www.eht.com/oldradio/museum/>

The New Jersey Antique Radio Club page
<http://www.eht.com/oldradio/>

Message-ID: <1BEBA5E8600DD4119A50009027AF54A002C04F9F@axcs04.cos.agilent.com>
From: jim_allen@agilent.com
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Wanted National NC-33
Date: Tue, 23 Jan 2001 16:02:32 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I would like to find an National NC-33 receiver.
Hopefully in great cosmetic and electrical condition.

This was my first receiver back in 1960.

Thanks Much,

Jim

NU6AM

Message-ID: <003501c08598\$6b855fc0\$87dff018@computer>
From: "Paul Monroe" <pmonroe@charter.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB HQ 140X
Date: Tue, 23 Jan 2001 17:58:44 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi to the group,

I'm looking for a very good to excellent condition HQ140X. Willing to pay accordingly.

73,

Paul, W9MEH

From: Jderm740@aol.com
Message-ID: <92.f5f98ed.279f874f@aol.com>
Date: Tue, 23 Jan 2001 20:18:07 EST
Subject: Re: Package sizeing
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello

Someone recently asked about sizeing packages for shipment to Spain. First, the destination country determines the max size and it changes from country to country.

To get an idea, I went to my PO and the lovely Lori. She pulled out a book the size of a telephone book and made copies of the Spanish requirements.

Max lenght is 42 " and total girth is 79 ". Now regardless of the shape all dimentions can not exceed 79 ".

So if you measure 42 " inches in lenght you have only 37 " of girth. Regardless of shape.

Every inch you can shorten on length you can add an extra inch of girth.

Example; the box is 42 " and square in cross section. The four sides would be 9.25 " per side if all sides are equal. Shorten the box to 40 " and the four sides would be 9.75 " per side. A 36 " long box would allow 10.75 " per side. And so on, etc, etc.

The easiest thing to do is cut a piece of string 79 " long and not exceeding the max length, lay it length wise, grip it at that point and wrap the remainder around the box. If yo have string left over, your home free.

Jack Mc Dermott

Jderm740@aol.com

Message-ID: <001d01c085b6\$8fd4bd80\$02000003@knepper>

From: "knepper" <knepper@lenzlink.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Bakelite Panels

Date: Tue, 23 Jan 2001 22:34:26 -0500

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Is there a source for 19 inch wide by 10 1/2 inch bakelite panels to use in building a Collins 30W transmitter?

Thank you.

David Knepper, W3ST

Publisher of the Collins Journal

Secretary to the Collins Radio Association

<http://www.collinsra.com>

Sign-up for the mail list: go to www.qth.net

Message-ID: <027901c085b9\$665d2c00\$ed2fcfd1@hppav>
From: "Bob Nickels" <ranickel@mwci.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Boatanchor prices - in perspective
Date: Tue, 23 Jan 2001 21:51:54 -0600
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

The high prices commanded by highly sought-after boatanchors always seems to get the blood pumping! The recent auction of a very clean SX-88 in it's original shipping box triggered a new wave of protest.

I hate to use the word "rare" anymore, but the relative obscurity of any collectible (not just radios) is the biggest factor in determining it's value. And we all know that the "worth" of something is what someone is willing to pay for it!

For example, consider the oldest collectibles - stamps and coins. They were cheap and plentiful at one time but because very few survive, those that do command many times the original face value. The same is true for every category of collectible you see at the antique mall or on eBay.

Now consider an item like an SX-88 that was never cheap nor common. Then

add the probability of finding one that is in pristine condition and comes with the original box. How many more like this do you suppose exist on the planet? There's that "R word" again!

One recent comment said these prices give a "misperception" of the value of the radio in question. I don't think this SX-88 seller will have any "misperception" when the check's in his bank account ;-). But it would take a giant leap of faith to think a more commonplace radio or even an average-condition SX-88 would command a similar price. Some of us just want nice old radios to use on the air, but as a group, boatanchor owners will pay a premium for equipment that's in exceptional condition.

One final observation - we tend to minimize the impact inflation has had on ham gear prices. According to my 1954 Fort Orange Radio catalog, the SX-88 listed for \$595. And according to the inflation calculator at <http://www.westegg.com/inflation/>, what cost \$595 in 1954 would cost \$3602.15 in 1999 dollars. Kinda puts things in a different light, don't it ;-).

73, Bob W9RAN

Date: Wed, 24 Jan 2001 09:14:58 -0500 (EST)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200101241414.JAA06096@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Davco DR-30/DT-20 brochure

While on a hunt for a ARC-5 tx diagram I found a sales brochure from Davco. Only 4 pages so I put them on a web server.

Brochure dated 4/64. This copy must have been late in Davco history because there's a rubber-stamp mark-down price of \$337.50. You can barely see it was once \$615.

Company being from Talahassee, bet Davco was a group of FSU or Eglin AFB EE hams or contractors. NAS (nearby) Pensicola?

The DT-20 is found at

http://netboobie.org/Hamjob/davco_modeldt20.jpg

'Regular' 800x600 resolution & a little fuzzy

The DR-30 and DT-20 pages were expanded optically from 5x7 to 8.5x11 then

again scanned and are

http://netboobie.org/Hamjob/davco_dr30_p1.jpg

http://netboobie.org/Hamjob/davco_dr30_p2.jpg

http://netboobie.org/Hamjob/davco_dr30_p3.jpg

http://netboobie.org/Hamjob/davco_dt20_p4.jpg

Beware the 1st one is 100k & the rest are ~170k each.

Marty

Message-ID: <FEEBE78C8360D411ACFD00D0B7477971DE17FD@xsj02.sjs.agilent.com>
From: jay_coward@agilent.com
To: Old Tube Radios <boatanchors@theporch.com>
Subject: CQ BA
Date: Wed, 24 Jan 2001 09:32:29 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="ISO-8859-1"

Group,

I'm wondering if the list is down. Nothing for several days.
Anyway, thanks to all respondents to my query regarding radio gear on WWII
flying boats. From what I hear the Mariner and Mars had similar setups as the
Catalina.

Jay

Message-ID: <001901c08646\$ba7d9940\$bb9b10cf@stevef>
From: "STEVE FINELLI" <navrad@enter.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Subscription
Date: Wed, 24 Jan 2001 15:46:26 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jack,

I believe I have been deleted from the boatanchors list.
I would like to be reinstated.
If it's because I posted a request to the group & had a
virus attached I believe I have cleared it up.

I was infected for approx. 3 days until I found out I had it.
My older Norton anti-virus program didn't pick it up.
I have since upgraded this program.
I'm sorry if it caused any problem.

Best Regards,
Steve Finelli
navrad@enter.net

Message-Id: <3.0.5.32.20010124163403.00a63560@pop.uky.edu>
Date: Wed, 24 Jan 2001 16:34:03 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Bill Cotter <bcotter@pop.uky.edu>
Subject: CQ/QST for sale - name your price....
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The following magazines are surplus to my needs and crowding my precious garage space. All are in good condition or better, and I will deal to get them into your collection. If you don't like the price for a quantity, any reasonable offer will be considered. Don't be bashful about ridiculous offers or even free, I will give them away if you don't buy them. The postage is your limiter, hi! My goal is to place them out of my hands and into yours (and, not the recycle bin).

I also like trades for Electric Radio, Radio magazine, Shortwave Craft, etc.

QST magazine

1985 full year \$5
1971 full year \$8
1970 full year \$8
1967 full year \$10

CQ Magazine - \$1ea or BEST OFFER for a quantity

97 1,2,3,4
96 3,6,7,8,9,10,11,12
91 1,2,3,4, 6,7,8,9,10,11,12
90 7,8,9,10,11,12
89 1,2,3,4,5,6,7,8,9,10
88 1,2,3,4,5, 7,8,9,10, 12
87 1,2,3,4,5,6,7,8,9, 11,12
86 1,2,3,4,5 7,8,9,10,11,12

83 1,2,3,4,5,6,7,8,9,10 12
82 1, 3,4,5,6,7,8,9,10,11,12
75 1,2,3, 6,7,8,9,10,11
74 2,3,4,5,6,7,8,9,10,11,12
71 1, 3,4,5,6,7,8,9,10,11
70 1, 3, 5,6,7, 9, 11,12
69 2, 5,6,7,8,9,10,11
68 2
67 1, 3,4,5, 8
66 1, 3,4,5,6, 8,9,10,11

65 full year\$10

All magazines are plus shipping, which amounts to approximately \$6 per dozen via Special Standard (bookrate) across coasts. One to five can go Priority at \$3.20

73 bill n4alg

Message-Id: <3.0.3.32.20010124172631.00dffad8@mindspring.com>
Date: Wed, 24 Jan 2001 17:26:31 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@mindspring.com>
Subject: Boatanchors on HCJB
Cc: ben@fuller.na, Randy Martin <rmartin@nmia.com>,
"Michael B. Carter" <carterm@mindspring.com>, Surfdog3000@yahoo.com,
Randy Martin <rmartin@nmia.com>, Joe Saah <wb5zpq@ipass.net>,
"Robert P. Buehlmann" <w4jg@teleport.com>, John Poulton <jp@cs.unc.edu>,
Nick England <nick@3rdtech.com>, cavery5811@aol.com,
glowbugs.mike_l@mindspring.com, "jaywa5whn@juno.com" <jaywa5whn@juno.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yours truly recorded an interview with Graham Bulmer (host of Ham Radio Today) of HCJB, about BA operation on the ham bands. This is to be broadcast tonight to North America at 8:30 EST on 9745, and repeated again on Saturday night at 9PM on 9745.

If you're terminally bored, give a listen! The program is Ham Radio Today.

/John

John Brewer - WB50AU/4
AMI #24
Clayton NC

johnmb@mindspring.com

=====

Message-ID: <3A6F7B66.312E4C66@idirect.com>
Date: Wed, 24 Jan 2001 20:03:34 -0500
From: Jerry Proc <jproc@idirect.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Pilot Light - #1850
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Larry,

The specs are:

T 31/4 Bulb; Minature bayonet base; 5 volts ; 0.09 amps; Candlepower - .25;
Avg Life - 1,500 hours

Larry Kayser wrote:

> Greetings:
>
> I am looking for voltage and current ratings on this bulb, can anyone help
> me out?
>
> Larry
> VA3LK

--

Jerry Proc VE3FAB
e-mail:jproc@idirect.com
<http://webhome.idirect.com/~jproc/ve3fab>
HMCS HAIDA Historic Naval Ship. Toronto, Ontario

Date: Wed, 24 Jan 2001 19:13:34 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Boatanchor prices - in perspective
Message-ID: <Pine.OSF.4.31.0101241904430.24263-100000@admin.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 23 Jan 2001, Bob Nickels wrote:

> The high prices commanded by highly sought-after boatanchors always seems to
> get the blood pumping!

You got me to thinking again about a topic that has been mentioned here before - that of what will happen to our goodies after we are gone. When you get on the other side of 60 (like me) you get to thinking about who is going to get rid of your stuff when you are gone.

I always told my XYL that if I kick off, everything in the garage goes in a dumpster. Now I have shelves full of parts, chassis, projects built over the years, antenna tuners, TTY equipment, tubes, etc. etc..... Sure I would hate to see it junked but the aggravation for someone trying to sell all that stuff would not be worth it. In our radio club of 100 plus members, I can't think of anyone younger that is not an appliance operator.

As for the BA gear itself, I guess I should make a list of it all and what it is likely worth. Hopefully whoever will handle the stuff (that I still have) will be able to find new homes for it.

"Nostalgia is a thing of the past"

E-mail: broehrig@admin.aurora.edu or k9eui@arrl.net 73 de Bob, K9EUI

CIS: Data / Telecom Aurora University, Aurora, IL

630-844-4898 Fax 630-844-4222

PLEASE PUT ALL REPLIES IN ASCII TEXT ONLY

Message-ID: <3A6F7F82.5FA1F1D4@idirect.com>

Date: Wed, 24 Jan 2001 20:21:06 -0500

From: Jerry Proc <jproc@idirect.com>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

CC: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Capacitor Confusion

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi George,

My supply of replacement capacitors includes several catagories:

For power supplies - A range of 5 uf to 22 uf @450VDC for power supply replacements. Because they are easlily available from the local parts store, I use radial lead caps.

For cathode bypass - several electrolytics in a range of 5 to 50 uf @ 50VDC

For general bypass - Polystyrene caps in the ranges:

.001uf .005 .01 .02 .047 0.1 .22 .47 .5 uf (100 to 600
VDC)

That range ought to cover most situations.

GeorgeHumphrey wrote:

> BAers,
>
> Please allow a little time for a newbie question. I have been reading and
> saving capacitor replacement stories for quite some time now and I am
> confused. There must be 8-10 of the most popular types of capacitors used
> in these BAs that most folks replace, but there seems to be an endless
> supply of different types of capacitors that are used for the replacements.
> Would it be possible to make a list of what types of capacitors we are
> likely to run into (how to identify each type) and cross that list with a
> list of preferred replacement types of capacitors? I will be happy to make
> the list if the knowledgeable will share their experience.
>
> 73 de George
> KC5WBV

--

Jerry Proc VE3FAB
e-mail:jproc@idirect.com
<http://webhome.idirect.com/~jproc/ve3fab>
HMCS HAIDA Historic Naval Ship. Toronto, Ontario

Message-ID: <3A6F8BC3.21E6E74F@kc2kj.k2nesoft.com>
Date: Wed, 24 Jan 2001 21:13:24 -0500
From: Mike Sullivan <michaels@kc2kj.k2nesoft.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Need ART-13 connector source info
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-
creator="4D4F5353"
Content-Transfer-Encoding: 7bit

I got my ART-13 power connector from Robert Down on this list. His

address is:

Robert Downs
2027 Mapleton Drive
Houston TX 77043.
phone h - 713-467-5614 and w 713-461-6112

This info is from 5 March, 1996.

Mike
kc2kj

Mike Steussy - AE4R wrote:

> Ahoy! Earlier this month, there was an item on the list about ART-13
> connectors, which I glanced past and soon forgot. Now, a friend has
> acquired a beauty this past weekend and I'd like to advise him who to
> contact. Please contact me with the info.
>
> 73, Mike Steussy AE4R
> Vienna VA
> hikrbikr@erols.com

Message-ID: <3A6F9BB1.DC0316D3@hypertools.com>
Date: Wed, 24 Jan 2001 19:21:21 -0800
From: David Ross <ross@hypertools.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: free 19" rack
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

BAfolks -

Anyone want a six foot 19" rack? Comes with front & rear doors with
locks & keys. Will accommodate side panels, but it's missing both
panels. It's telephone company surplus, pretty well made, all gray or
black paint or plated steel, front & rear rails are movable and all
drilled & tapped 10-32

Come and pick it up in southwest Washington state.

Dave Ross N7EPI ross@hypertools.com

Message-ID: <028c01c0868a\$11326ca0\$0101a8c0@hppav>
From: "Bob Nickels" <ranickel@mwci.net>

To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Boatanchor prices - in perspective
Date: Wed, 24 Jan 2001 22:40:38 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bob, and the group,

> I always told my XYL that if I kick off, everything in the garage goes in
> a dumpster.

First, let me say that I have *been* in Bob's garage, and what he describes represents the the mark of a "true ham". I'll bet a "ham archeologist" could chart our interests by examining the layers of debris in our basements and garages! I hauled away a Navy DF receiver that Bob had designed a replacement loop antenna for and it still works like a champ. Which brings me to my point...

I'll bet all of us treasure a piece of equipment or two, not because it's especially valuable or rare, but because it came from an "Elmer" or even an unknown ham whose knowledge and craftsmanship we respect. That's one reason why I love to dig in those dusty old cardboard boxes for the odd homebrew project or box of parts that reflect the true spirit of the ham radio homebrewing art. My suggestion is that we all find a way to pass this "junk" along to someone who will treasure it rather than hauling it out to the curb. There may not be a lot of monetary value in it, but there is easily a lifetime of memories worth preserving.

73, Bob W9RAN

Date: Wed, 24 Jan 2001 20:42:29 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Pilot Light - #1850
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0G7P00063BKI9N@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Larry;

> I am looking for voltage and current ratings on this bulb, can anyone
help
> me out?

5.0 volts, 90 milliamps.

Which way did you come in? Hi!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Wed, 24 Jan 2001 21:41:49 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Boatanchor prices - in perspective
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0G7P00AHEFVSGI@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Ancient Bob;

If ya wanna make your heirs, their assignees, or the neighborhood turkey vultures happy, leave instructions to put an ad in the classifieds to have salvagers come and bid on your stuff. Winning bidder takes ALL. The stuff will be gone in a FLASH! Your survivor won't get fair value, but your junkie, for the most part, will take up residence in someone else's garage (or ham shack) and the task of liquidating your estate will be much simplified.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Wed, 24 Jan 2001 21:29:42 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Capacitor Confusion
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0G7P00AGGFVMMGI@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi George;

> Please allow a little time for a newbie question. I have been reading and
> saving capacitor replacement stories for quite some time now and I am
> confused. There must be 8-10 of the most popular types of capacitors used
> in these BAs that most folks replace, but there seems to be an endless
> supply of different types of capacitors that are used for the
replacements.

> Would it be possible to make a list of what types of capacitors we are
> likely to run into (how to identify each type) and cross that list with a
> list of preferred replacement types of capacitors? I will be happy to
make
> the list if the knowledgeable will share their experience.

There is not a very short answer to your question. The trick is to have an idea what the critical requirements are for a particular capacitor application. Is it a bypass? Coupling? Tone controlling (audio filtering)? Power supply filter? High stability (tuned circuit)? Temperature compensating ceramic? Safety rated?

How fussy do you want to be about doing the "correct" thing, doing what would only satisfy a purist?

Generally, a good rule to follow is to replace a cap with the same type. But rules are made to be broken so here is a slightly more practical approach:

Replace bypass caps with film (any type) or ceramic (any type).
Replace coupling with film (any type) or ceramic (any type).
Replace tone controlling with film of any type.
Replace power supply filtering electrolytic with voltage rating of 100% or greater than original and 100-200% of capacitance.
Replace high stability with mica, *polystyrene* film, or stable ceramic (NPO or COG).
Replace temperature compensating (only if ABSOLUTELY NECESSARY) with same temperature characteristic ceramic.
Replace safety types with identical AC rating.

In circuits that require high voltage or high current performance, things get a little more sticky. For RF circuits with high voltage and current, power mica and RF power ceramics are mandatory. For power circuits in the low RF frequency range (<1MHz), *polypropylene* film, sufficient AC current rating being essential. Old time oil impregnated paper high voltage types have been superseded by film types.

This is only a crude summary. MOST capacitor substitutions are not critical as long as the capacitance and voltage requirements are met. A few situations can be tricky but I can't get too long winded here without running the chance of becoming deflated (hi!). If you have trouble with a substitution investigate thoroughly the problem and do a little experimenting. We are here to help, sometimes with a little confusion thrown in.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <4.3.2.7.0.20010125061244.00c37700@postoffice.worldnet.att.net>
Date: Thu, 25 Jan 2001 06:14:38 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "John Dilks, K2TQN" <oldradio@worldnet.att.net>
Subject: Re: Boatanchor prices - in perspective
Cc: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The deal must be - you have to take everything - or else the buyer will cherry pick and the widow will be left with a pile of junk.

73' John

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At 09:41 PM 1/24/2001 -0800, Arden Allen wrote:

>Hi Ancient Bob;

>

>If ya wanna make your heirs, their assignees, or the neighborhood turkey
>vultures happy, leave instructions to put an ad in the classifieds to have
>salvagers come and bid on your stuff. Winning bidder takes ALL. The stuff
>will be gone in a FLASH! Your survivor won't get fair value, but your
>junque, for the most part, will take up residence in someone else's garage
>(or ham shack) and the task of liquidating your estate will be much
>simplified.

>

>Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

End of BOATANCHORS Digest 3086
